List of Publications by Year in descending order

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|          |                | 30047        | 36008          |
|----------|----------------|--------------|----------------|
| 217      | 11,431         | 54           | 97             |
| papers   | citations      | h-index      | g-index        |
|          |                |              |                |
|          |                |              |                |
| 227      | 227            | 227          | 6927           |
| all docs | docs citations | times ranked | citing authors |
|          |                |              |                |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A state-specific polarizable continuum model time dependent density functional theory method for excited state calculations in solution. Journal of Chemical Physics, 2006, 125, 054103.   | 1.2  | 675       |
| 2  | Effective method for the computation of optical spectra of large molecules at finite temperature<br>including the Duschinsky and Herzberg–Teller effect: The Qx band of porphyrin as a case study.<br>Journal of Chemical Physics, 2008, 128, 224311.                        | 1.2  | 523       |
| 3  | Effective method to compute Franck-Condon integrals for optical spectra of large molecules in solution. Journal of Chemical Physics, 2007, 126, 084509.  | 1.2  | 445       |
| 4  | Toward effective and reliable fluorescence energies in solution by a new state specific polarizable continuum model time dependent density functional theory approach. Journal of Chemical Physics, 2007, 127, 074504.   | 1.2  | 437       |
| 5  | Quantum Mechanical Studies on the Photophysics and the Photochemistry of Nucleic Acids and Nucleobases. Chemical Reviews, 2016, 116, 3540-3593.  | 23.0 | 375       |
| 6  | Singlet Excited-State Behavior of Uracil and Thymine in Aqueous Solution:Â A Combined Experimental<br>and Computational Study of 11 Uracil Derivatives. Journal of the American Chemical Society, 2006, 128,<br>607-619.   | 6.6  | 359       |
| 7  | Interplay of Electronic, Environmental, and Vibrational Effects in Determining the Hyperfine Coupling<br>Constants of Organic Free Radicals. Chemical Reviews, 2004, 104, 1231-1254.   | 23.0 | 315       |
| 8  | Effective method to compute vibrationally resolved optical spectra of large molecules at finite temperature in the gas phase and in solution. Journal of Chemical Physics, 2007, 126, 184102.  | 1.2  | 303       |
| 9  | Insights for an Accurate Comparison of Computational Data to Experimental Absorption and Emission<br>Spectra: Beyond the Vertical Transition Approximation. Journal of Chemical Theory and Computation,<br>2013, 9, 2072-2082.   | 2.3  | 194       |
| 10 | Absorption and Fluorescence Spectra of Uracil in the Gas Phase and in Aqueous Solution:Â A TD-DFT<br>Quantum Mechanical Study. Journal of the American Chemical Society, 2004, 126, 14320-14321.   | 6.6  | 181       |
| 11 | DNA/RNA: Building Blocks of Life Under UV Irradiation. Journal of Physical Chemistry Letters, 2010, 1, 2025-2030.  | 2.1  | 177       |
| 12 | Absolute pKa determination for carboxylic acids using density functional theory and the polarizable continuum model. Chemical Physics Letters, 2003, 373, 411-415.   | 1.2  | 173       |
| 13 | Ab Initio Calculations of Absorption Spectra of Large Molecules in Solution: Coumarin C153.<br>Angewandte Chemie - International Edition, 2007, 46, 405-408.   | 7.2  | 164       |
| 14 | Quantum Mechanical Computations and Spectroscopy: From Small Rigid Molecules in the Gas Phase to Large Flexible Molecules in Solution. Accounts of Chemical Research, 2008, 41, 605-616.   | 7.6  | 155       |
| 15 | Solvent Effect on the Singlet Excited-State Lifetimes of Nucleic Acid Bases:Â A Computational Study of<br>5-Fluorouracil and Uracil in Acetonitrile and Water. Journal of the American Chemical Society, 2006,<br>128, 16312-16322.  | 6.6  | 149       |
| 16 | Electronic Excited States Responsible for Dimer Formation upon UV Absorption Directly by Thymine<br>Strands: Joint Experimental and Theoretical Study. Journal of the American Chemical Society, 2012, 134,<br>14834-14845.  | 6.6  | 133       |
| 17 | Understanding the Role of Stereoelectronic Effects in Determining Collagen Stability. 1. A Quantum Mechanical Study of Proline, Hydroxyproline, and Fluoroproline Dipeptide Analogues in Aqueous Solution. Journal of the American Chemical Society, 2001, 123, 12568-12577. | 6.6  | 129       |
| 18 | UV-Induced Proton Transfer between DNA Strands. Journal of the American Chemical Society, 2015, 137, 7059-7062   | 6.6  | 125       |

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|----|--|-----|-----------|
| 19 | Influence of base stacking on excited-state behavior of polyadenine in water, based on time-dependent<br>density functional calculations. Proceedings of the National Academy of Sciences of the United<br>States of America, 2007, 104, 9931-9936.  | 3.3 | 124       |
| 20 | Structure and Conformational Behavior of Biopolymers by Density Functional Calculations<br>Employing Periodic Boundary Conditions. I. The Case of Polyglycine, Polyalanine, and<br>Poly-α-aminoisobutyric Acid in Vacuo. Journal of the American Chemical Society, 2001, 123, 3311-3322.                           | 6.6 | 117       |
| 21 | Photoinduced Dynamics of Guanosine Monophosphate in Water from Broad-Band Transient<br>Absorption Spectroscopy and Quantum-Chemical Calculations. Journal of the American Chemical<br>Society, 2009, 131, 5839-5850.   | 6.6 | 110       |
| 22 | Parametrization and Validation of Intramolecular Force Fields Derived from DFT Calculations.<br>Journal of Chemical Theory and Computation, 2007, 3, 1803-1817.  | 2.3 | 102       |
| 23 | Excited States Decay of the Aâ^'T DNA: A PCM/TD-DFT Study in Aqueous Solution of the<br>(9-Methyl-adenine)2Â-(1-methyl-thymine)2 Stacked Tetramer. Journal of the American Chemical Society,<br>2009, 131, 15232-15245.  | 6.6 | 101       |
| 24 | Excited-State Behavior of trans and cis Isomers of Stilbene and Stiff Stilbene:Â A TD-DFT Study. Journal of Physical Chemistry A, 2005, 109, 10058-10067.  | 1.1 | 97        |
| 25 | Singlet excited state dynamics of uracil and thymine derivatives: A femtosecond fluorescence upconversion study in acetonitrile. Chemical Physics Letters, 2006, 429, 551-557.   | 1.2 | 97        |
| 26 | Checking the pH-Induced Conformational Transition of Prion Protein by Molecular Dynamics<br>Simulations: Effect of Protonation of Histidine Residues. Biophysical Journal, 2004, 87, 3623-3632.  | 0.2 | 96        |
| 27 | Computing the inhomogeneous broadening of electronic transitions in solution: a first-principle quantum mechanical approach. Physical Chemistry Chemical Physics, 2011, 13, 17007.   | 1.3 | 89        |
| 28 | Joyce and Ulysses: integrated and user-friendly tools for the parameterization of intramolecular force fields from quantum mechanical data. Physical Chemistry Chemical Physics, 2013, 15, 3736.   | 1.3 | 89        |
| 29 | First-principle computation of absorption and fluorescence spectra in solution accounting for vibronic structure, temperature effects and solvent inhomogenous broadening. Computational and Theoretical Chemistry, 2014, 1040-1041, 328-337.  | 1.1 | 88        |
| 30 | The excited states of ï€-stacked 9-methyladenine oligomers: a TD-DFT study in aqueous solution.<br>Physical Chemistry Chemical Physics, 2008, 10, 2656.  | 1.3 | 86        |
| 31 | Solvent Polarity and pH Effects on the Magnetic Properties of Ionizable Nitroxide Radicals:Â A<br>Combined Computational and Experimental Study of 2,2,5,5-Tetramethyl-3-carboxypyrrolidine and<br>2,2,6,6-Tetramethyl-4-carboxypiperidine Nitroxides. Journal of Physical Chemistry A, 2002, 106,<br>10700-10706. | 1.1 | 84        |
| 32 | Quantum mechanical study of the conformational behavior of proline and 4R-hydroxyproline dipeptide analogues in vacuum and in aqueous solution. Journal of Computational Chemistry, 2002, 23, 341-350.   | 1.5 | 81        |
| 33 | Absorption and Emission Spectra of a Flexible Dye in Solution: A Computational Time-Dependent Approach. Journal of Chemical Theory and Computation, 2013, 9, 4507-4516.  | 2.3 | 78        |
| 34 | Interplay between "Neutral―and "Chargeâ€Transfer―Excimers Rules the Excited State Decay in<br>Adenineâ€Rich Polynucleotides. Angewandte Chemie - International Edition, 2011, 50, 12016-12019.   | 7.2 | 76        |
| 35 | Photophysics of Deoxycytidine and 5-Methyldeoxycytidine in Solution: A Comprehensive Picture by Quantum Mechanical Calculations and Femtosecond Fluorescence Spectroscopy. Journal of the American Chemical Society, 2017, 139, 7780-7791.   | 6.6 | 76        |
| 36 | Solvent Effect on the Singlet Excited-state Dynamics of 5-Fluorouracil in Acetonitrile as Compared with Water. Journal of Physical Chemistry B, 2006, 110, 12843-12847.  | 1.2 | 75        |

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|----|--|-----|-----------|
| 37 | The Decay from the Dark nπ* Excited State in Uracil: An Integrated CASPT2/CASSCF and PCM/TD-DFT<br>Study in the Gas Phase and in Water. Journal of Physical Chemistry B, 2008, 112, 10769-10772.   | 1.2 | 67        |
| 38 | Understanding the Role of Stereoelectronic Effects in Determining Collagen Stability. 2. A Quantum<br>Mechanical/Molecular Mechanical Study of (Proline-Proline-Glycine)n Polypeptides. Journal of the<br>American Chemical Society, 2002, 124, 7857-7865. | 6.6 | 66        |
| 39 | Quantum Dynamics of the Ultrafast ππ*/nπ* Population Transfer in Uracil and 5-Fluoro-Uracil in<br>Water and Acetonitrile. Journal of Physical Chemistry B, 2009, 113, 14491-14503.   | 1.2 | 66        |
| 40 | Vibrationally Resolved Absorption and Emission Spectra of Dithiophene in the Gas Phase and in<br>Solution by First-Principle Quantum Mechanical Calculations. Journal of Chemical Theory and<br>Computation, 2012, 8, 4483-4493.                           | 2.3 | 66        |
| 41 | Modeling Solvent Broadening on the Vibronic Spectra of a Series of Coumarin Dyes. From Implicit to Explicit Solvent Models. Journal of Chemical Theory and Computation, 2015, 11, 5810-5825.   | 2.3 | 66        |
| 42 | Integrated computational approaches for spectroscopic studies of molecular systems in the gas phase and in solution: pyrimidine as a test case. Theoretical Chemistry Accounts, 2012, 131, 1.  | 0.5 | 64        |
| 43 | Efficient UV-induced charge separation and recombination in an 8-oxoguanine-containing<br>dinucleotide. Proceedings of the National Academy of Sciences of the United States of America, 2014,<br>111, 11612-11617.  | 3.3 | 64        |
| 44 | Absorption of Low-Energy UV Radiation by Human Telomere G-Quadruplexes Generates Long-Lived Guanine Radical Cations. Journal of the American Chemical Society, 2017, 139, 10561-10568.   | 6.6 | 64        |
| 45 | The polarizability in solution of tetra-phenyl-porphyrin derivatives in their excited electronic states: a PCM/TD-DFT study. Physical Chemistry Chemical Physics, 2009, 11, 4664.  | 1.3 | 61        |
| 46 | Multiâ€Pathway Excited State Relaxation of Adenine Oligomers in Aqueous Solution: A Joint Theoretical and Experimental Study. Chemistry - A European Journal, 2013, 19, 3762-3774.   | 1.7 | 60        |
| 47 | Resolving Ultrafast Photoinduced Deactivations in Water-Solvated Pyrimidine Nucleosides. Journal of<br>Physical Chemistry Letters, 2017, 8, 1777-1783.   | 2.1 | 60        |
| 48 | Can TDâ€DFT calculations accurately describe the excited states behavior of stacked nucleobases? The cytosine dimer as a test case. Journal of Computational Chemistry, 2008, 29, 957-964.   | 1.5 | 59        |
| 49 | Accurate Steady-State and Zero-Time Fluorescence Spectra of Large Molecules in Solution by a First-Principle Computational Method. Journal of Physical Chemistry B, 2007, 111, 14080-14082.  | 1.2 | 58        |
| 50 | Effect of C5-Methylation of Cytosine on the Photoreactivity of DNA: A Joint Experimental and<br>Computational Study of TCG Trinucleotides. Journal of the American Chemical Society, 2014, 136,<br>10838-10841.  | 6.6 | 58        |
| 51 | Radical cations of DNA bases: some insights on structure and fragmentation patterns by density functional methods. International Journal of Mass Spectrometry, 2000, 201, 321-336.   | 0.7 | 57        |
| 52 | Vibronic Model for the Quantum Dynamical Study of the Competition between Bright and<br>Charge-Transfer Excited States in Single-Strand Polynucleotides: The Adenine Dimer Case. Journal of<br>Physical Chemistry A, 2009, 113, 15346-15354.               | 1.1 | 56        |
| 53 | Assessing the reliability of density functional methods in the conformational study of polypeptides:<br>The treatment of intraresidue nonbonding interactions. Journal of Computational Chemistry, 2004, 25,<br>1333-1341.                                 | 1.5 | 55        |
| 54 | Solvent effects on electron-driven proton-transfer processes: adenine–thymine base pairs. Physical<br>Chemistry Chemical Physics, 2012, 14, 8981.  | 1.3 | 55        |

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|----|---|-----|-----------|
| 55 | Computation of protein pK's values by an integrated density functional theory/Polarizable Continuum<br>Model approach. Theoretical Chemistry Accounts, 2004, 111, 237-245.  | 0.5 | 54        |
| 56 | Excited State Proton Transfer Is Not Involved in the Ultrafast Deactivation of Guanine–Cytosine Pair in Solution. Journal of the American Chemical Society, 2011, 133, 19664-19667.   | 6.6 | 54        |
| 57 | Photophysics and Photochemistry of Thymine Deoxy-Dinucleotide in Water: A PCM/TD-DFT Quantum<br>Mechanical Study. Journal of Physical Chemistry B, 2012, 116, 14261-14274.  | 1.2 | 54        |
| 58 | The conformational behavior of polyglycine as predicted by a density functional model with periodic boundary conditions. Journal of Chemical Physics, 2001, 114, 2541-2549.   | 1.2 | 53        |
| 59 | The excited states of adenine and thymine nucleoside and nucleotide in aqueous solution: a comparative study by time-dependent DFT calculations. Theoretical Chemistry Accounts, 2008, 120, 491-497.  | 0.5 | 50        |
| 60 | Absorption and Emission Spectral Shapes of a Prototype Dye in Water by Combining<br>Classical/Dynamical and Quantum/Static Approaches. Journal of Physical Chemistry A, 2015, 119,<br>5426-5438.  | 1.1 | 50        |
| 61 | Adiabatic-Molecular Dynamics Generalized Vertical Hessian Approach: A Mixed Quantum Classical<br>Method To Compute Electronic Spectra of Flexible Molecules in the Condensed Phase. Journal of<br>Chemical Theory and Computation, 2020, 16, 1215-1231.   | 2.3 | 50        |
| 62 | The excited electronic states of adenine-guanine stacked dimers in aqueous solution: a PCM/TD-DFT study. Physical Chemistry Chemical Physics, 2010, 12, 4934.   | 1.3 | 46        |
| 63 | UV-induced long-lived decays in solvated pyrimidine nucleosides resolved at the MS-CASPT2/MM level.<br>Physical Chemistry Chemical Physics, 2018, 20, 6877-6890.  | 1.3 | 46        |
| 64 | Assessing the acid–base and conformational properties of histidine residues in human prion protein<br>(125–228) by means of pK a calculations and molecular dynamics simulations. Proteins: Structure,<br>Function and Bioinformatics, 2006, 64, 167-177. | 1.5 | 45        |
| 65 | Classical Force Fields Tailored for QM Applications: Is It Really a Feasible Strategy?. Journal of Chemical Theory and Computation, 2017, 13, 4636-4648.  | 2.3 | 45        |
| 66 | Theoretical multilevel approach for studying the photophysical properties of organic dyes in solution. Physical Chemistry Chemical Physics, 2010, 12, 10550.  | 1.3 | 43        |
| 67 | The Interplay between ï€ï€*/nï€* Excited States in Gasâ€Phase Thymine: A Quantum Dynamical Study.<br>ChemPhysChem, 2011, 12, 1957-1968.   | 1.0 | 43        |
| 68 | Computational Design, Synthesis, and Mechanochromic Properties of New Thiopheneâ€Based<br>Ï€â€Conjugated Chromophores. Chemistry - A European Journal, 2013, 19, 1996-2004.   | 1.7 | 43        |
| 69 | A Theoretical Study on the Factors Influencing Cyanine Photoisomerization:Â The Case of Thiacyanine<br>in Gas Phase and in Methanol. Journal of Chemical Theory and Computation, 2005, 1, 215-229.  | 2.3 | 42        |
| 70 | Solvent Effects on the Steady-state Absorption and Fluorescence Spectra of Uracil, Thymine and<br>5-Fluorouracil. Photochemistry and Photobiology, 2007, 83, 595-599.   | 1.3 | 42        |
| 71 | Cation Effect on the Electronic Excited States of Guanine Nanostructures Studied by Time-Resolved Fluorescence Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 14682-14689.   | 1.5 | 42        |
| 72 | Quantum-classical effective-modes dynamics of the ππ* → nπ* decay in 9H-adenine. A quadratic vibronic coupling model. Faraday Discussions, 2013, 163, 223.  | 1.6 | 42        |

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|----|--|-----|-----------|
| 73 | Polymerization Mechanism of Conjugated Dienes in the Presence of Zieglerâ^'Natta Type Catalysts:Â<br>Theoretical Study of Butadiene and Isoprene Polymerization with CpTiCl3â^'MAO Initiator.<br>Organometallics, 2000, 19, 411-419. | 1.1 | 41        |
| 74 | Time dependent DFT investigation on the two lowest 1Bu states of the trans isomer of stilbene and stiff-stilbenes. Chemical Physics Letters, 2004, 387, 509-516.   | 1.2 | 41        |
| 75 | Computing the Absorption and Emission Spectra of 5-Methylcytidine in Different Solvents: A Test-Case for Different Solvation Models. Journal of Chemical Theory and Computation, 2016, 12, 4430-4439.                                | 2.3 | 41        |
| 76 | Multiple Electronic and Structural Factors Control Cyclobutane Pyrimidine Dimer and 6–4<br>Thymine–Thymine Photodimerization in a DNA Duplex. Chemistry - A European Journal, 2017, 23,<br>15177-15188.                              | 1.7 | 41        |
| 77 | Excited-State Dynamics of DNA Duplexes with Different H-Bonding Motifs. Journal of Physical<br>Chemistry Letters, 2016, 7, 950-954.  | 2.1 | 40        |
| 78 | Peptide Bond Distortions from Planarity: New Insights from Quantum Mechanical Calculations and Peptide/Protein Crystal Structures. PLoS ONE, 2011, 6, e24533.  | 1.1 | 40        |
| 79 | Quantum mechanical prediction of the magnetic titration curve of a nitroxide `spin probe'. Chemical Physics Letters, 2001, 336, 349-356.   | 1.2 | 39        |
| 80 | Absorption Spectrum of A–T DNA Unraveled by Quantum Mechanical Calculations in Solution on the<br>(dA) <sub>2</sub> â<(dT) <sub>2</sub> Tetramer. ChemPhysChem, 2008, 9, 2531-2537.  | 1.0 | 39        |
| 81 | Role of side chains in collagen triple helix stabilization and partner recognition. Journal of Peptide Science, 2009, 15, 131-140.   | 0.8 | 39        |
| 82 | Optical Properties of Guanine Nanowires: Experimental and Theoretical Study. Journal of Physical<br>Chemistry C, 2010, 114, 14339-14346.   | 1.5 | 39        |
| 83 | A joint experimental/theoretical study of the ultrafast excited state deactivation of deoxyadenosine<br>and 9-methyladenine in water and acetonitrile. Photochemical and Photobiological Sciences, 2013, 12,<br>1375-1386.           | 1.6 | 39        |
| 84 | Excited States Behavior of Nucleobases in Solution: Insights from Computational Studies. Topics in Current Chemistry, 2014, 355, 329-357.  | 4.0 | 39        |
| 85 | UV-induced damage to DNA: effect of cytosine methylation on pyrimidine dimerization. Signal<br>Transduction and Targeted Therapy, 2017, 2, 17021.  | 7.1 | 39        |
| 86 | Mechanism of Isoprene and Butadiene Polymerization in the Presence of CpTiCl3â^'MAO Initiator:Â A<br>Theoretical Study. Macromolecules, 1997, 30, 2219-2227.   | 2.2 | 37        |
| 87 | Structure and Magnetic Properties of Nitroxide Molecular Crystals by Density Functional<br>Calculations Employing Periodic Boundary Conditions. Journal of the American Chemical Society,<br>2002, 124, 113-120.                     | 6.6 | 37        |
| 88 | Torsional Barriers and Correlations between Dihedrals inp-Polyphenyls. Journal of Physical<br>Chemistry A, 2003, 107, 8665-8670.   | 1.1 | 37        |
| 89 | Quantum Mechanical Calculations Unveil the Structure and Properties of the Absorbing and Emitting<br>Excited Electronic States of Guanine Quadruplex. Chemistry - A European Journal, 2014, 20, 8106-8115.                           | 1.7 | 37        |
| 90 | Assessing solvent effects on the singlet excited state lifetime of uracil derivatives: A femtosecond fluorescence upconversion study in alcohols and D2O. Chemical Physics, 2008, 350, 186-192.                                      | 0.9 | 36        |

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|-----|--|-----|-----------|
| 91  | Relative Stability of the L <sub>a</sub> and L <sub>b</sub> Excited States in Adenine and Guanine:<br>Direct Evidence from TD-DFT Calculations of MCD Spectra. Journal of Physical Chemistry Letters, 2014,<br>5, 1806-1811.   | 2.1 | 36        |
| 92  | Tautomers of a Fluorescent G Surrogate and Their Distinct Photophysics Provide Additional Information Channels. Angewandte Chemie - International Edition, 2016, 55, 7974-7978.  | 7.2 | 36        |
| 93  | Conformational and Spectroscopic Analysis of the Tyrosyl Radical Dipeptide Analogue in the Gas Phase<br>and in Aqueous Solution by a Density Functional/Continuum Solvent Model. Journal of the American<br>Chemical Society, 2002, 124, 11531-11540.                                      | 6.6 | 35        |
| 94  | PCM/TD-DFT study of the two lowest excited states of uracil derivatives in solution: The effect of the functional and of the cavity model. Computational and Theoretical Chemistry, 2009, 914, 87-93.  | 1.5 | 35        |
| 95  | UV-Induced Adenine Radicals Induced in DNA A-Tracts: Spectral and Dynamical Characterization.<br>Journal of Physical Chemistry Letters, 2016, 7, 3949-3953.  | 2.1 | 35        |
| 96  | Ultrafast Dynamics of the Two Lowest Bright Excited States of Cytosine and 1-Methylcytosine: A Quantum Dynamical Study. Journal of Chemical Theory and Computation, 2020, 16, 5792-5808.   | 2.3 | 34        |
| 97  | Contribution of dipole–dipole interactions to the stability of the collagen triple helix. Protein<br>Science, 2008, 17, 955-961.   | 3.1 | 33        |
| 98  | Conformational analysis of the tyrosine dipeptide analogue in the gas phase and in aqueous solution<br>by a density functional/continuum solvent model. Journal of Computational Chemistry, 2002, 23,<br>650-661.  | 1.5 | 32        |
| 99  | Barrierless photoisomerisation of the "simplest cyanine†Joining computational and femtosecond optical spectroscopies to trace the full reaction path. Physical Chemistry Chemical Physics, 2012, 14, 13350.  | 1.3 | 32        |
| 100 | Effect of C5-Methylation of Cytosine on the UV-Induced Reactivity of Duplex DNA: Conformational and Electronic Factors. Journal of Physical Chemistry B, 2016, 120, 4232-4242.   | 1.2 | 32        |
| 101 | Understanding Electron Transfer across Negatively-Charged Aib Oligopeptides. Journal of Physical<br>Chemistry B, 2005, 109, 1023-1033.   | 1.2 | 31        |
| 102 | Photoinduced Electron Transfer in DNA: Charge Shift Dynamics Between 8-Oxo-Guanine Anion and<br>Adenine. Journal of Physical Chemistry B, 2015, 119, 7491-7502.  | 1.2 | 31        |
| 103 | Adenine radicals generated in alternating AT duplexes by direct absorption of low-energy UV radiation. Faraday Discussions, 2018, 207, 181-197.  | 1.6 | 31        |
| 104 | Mixed Quantum/Classical Method for Nonadiabatic Quantum Dynamics in Explicit Solvent Models: The<br><i>ππ</i> */nπ* Decay of Thymine in Water as a Test Case. Journal of Chemical Theory and Computation,<br>2018, 14, 820-832.  | 2.3 | 31        |
| 105 | Conformational Behavior of Macromolecules in Solution. Homopolypeptides of α-Aminoisobutyric Acid<br>as Test Cases. Macromolecules, 2001, 34, 7550-7557.   | 2.2 | 30        |
| 106 | Comprehensive Study of Guanine Excited State Relaxation and Photoreactivity in G-quadruplexes.<br>Journal of Physical Chemistry Letters, 2019, 10, 6873-6877.  | 2.1 | 30        |
| 107 | Stabilization of Mixed Frenkel-Charge Transfer Excitons Extended Across Both Strands of<br>Guanine–Cytosine DNA Duplexes. Journal of Physical Chemistry Letters, 2015, 6, 2247-2251.   | 2.1 | 29        |
| 108 | Effective modeling of intrinsic and environmental effects on the structure and electron plaramagnetic resonance parameters of nitroxides by an integrated quantum mechanical/molecular mechanics/polarizable continuum model approach. Theoretical Chemistry Accounts, 2000, 104, 273-279. | 0.5 | 28        |

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|-----|--|-----|-----------|
| 109 | Femtosecond photoelectron spectroscopy of trans-stilbene above the reaction barrier. Chemical Physics, 2005, 310, 201-211.   | 0.9 | 28        |
| 110 | Femtosecond study on the isomerization dynamics of NK88. I. Ground-state dynamics after photoexcitation. Journal of Chemical Physics, 2006, 125, 044512.   | 1.2 | 28        |
| 111 | Femtosecond study on the isomerization dynamics of NK88. II. Excited-state dynamics. Journal of Chemical Physics, 2006, 125, 044513.   | 1.2 | 28        |
| 112 | Conformational Behavior and Magnetic Properties of a Nitroxide Amino Acid Derivative in Vacuo and in Aqueous Solution. Journal of Physical Chemistry A, 2003, 107, 6264-6269.  | 1.1 | 27        |
| 113 | On the controversial nature of the 1 B1u and 2 B1u states of <i>trans</i> -stilbene: The n-electron valence state perturbation theory approach. Journal of Chemical Physics, 2009, 130, 174307.  | 1.2 | 27        |
| 114 | Photoinduced long-lived charge transfer excited states in AT-DNA strands. Physical Chemistry Chemical Physics, 2016, 18, 21241-21245.  | 1.3 | 27        |
| 115 | What Makes Thienoguanosine an Outstanding Fluorescent DNA Probe?. Journal of the American<br>Chemical Society, 2020, 142, 16999-17014.   | 6.6 | 27        |
| 116 | Does tetracycline bind helix 2 of prion? An integrated spectroscopical and computational study of the interaction between the antibiotic and α helix 2 human prion protein fragments. Proteins: Structure, Function and Bioinformatics, 2006, 66, 707-715. | 1.5 | 26        |
| 117 | Mode-specific vibrational relaxation of photoexcited guanosine 5′-monophosphate and its acid form: a femtosecond broadband mid-IR transient absorption and theoretical study. Physical Chemistry Chemical Physics, 2014, 16, 1487-1499.                    | 1.3 | 26        |
| 118 | Development and Validation of Quantum Mechanically Derived Force-Fields: Thermodynamic,<br>Structural, and Vibrational Properties of Aromatic Heterocycles. Journal of Chemical Theory and<br>Computation, 2018, 14, 4884-4900.                            | 2.3 | 26        |
| 119 | The excited state behavior of cytosine in the gas phase: A TD-DFT study. Computational and Theoretical Chemistry, 2014, 1040-1041, 186-194.  | 1.1 | 25        |
| 120 | Quantum lassical Calculation of the Absorption and Emission Spectral Shapes of Oligothiophenes at<br>Low and Room Temperature by Firstâ€Principle Calculations. ChemPhysChem, 2014, 15, 3320-3333.   | 1.0 | 25        |
| 121 | Comparing classical approaches with empirical or quantum-mechanically derived force fields for the simulation electronic lineshapes: application to coumarin dyes. Theoretical Chemistry Accounts, 2016, 135, 1.   | 0.5 | 25        |
| 122 | Unveiling Excited-State Chirality of Binaphthols by Femtosecond Circular Dichroism and Quantum<br>Chemical Calculations. Journal of Physical Chemistry Letters, 2019, 10, 4089-4094.   | 2.1 | 25        |
| 123 | Excited State Pathways Leading to Formation of Adenine Dimers. Journal of Physical Chemistry Letters, 2016, 7, 2020-2023.  | 2.1 | 24        |
| 124 | Computation of Spectroscopic Parameters in vacuo and in Condensed Phases by Methods based on the Density Functional Theory. QSAR and Combinatorial Science, 2002, 21, 105-118.   | 1.4 | 23        |
| 125 | Building cavities in a fluid of spherical or rod-like particles: A contribution to the solvation free energy in isotropic and anisotropic polarizable continuum model. Journal of Computational Chemistry, 2005, 26, 1096-1105.                            | 1.5 | 23        |
| 126 | Nonadiabatic Absorption Spectra and Ultrafast Dynamics of DNA and RNA Photoexcited Nucleobases.<br>Molecules, 2021, 26, 1743.  | 1.7 | 23        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Quantum and semiclassical dynamical studies of nonadiabatic processes in solution: achievements and perspectives. Physical Chemistry Chemical Physics, 2021, 23, 8181-8199.  | 1.3 | 22        |
| 128 | Parametrization and Validation of Coarse Grained Force-Fields Derived from ab Initio Calculations.<br>Journal of Chemical Theory and Computation, 2006, 2, 556-567.  | 2.3 | 21        |
| 129 | The Peculiar Spectral Properties of Amino-Substituted Uracils: A Combined Theoretical and Experimental Study. Journal of Physical Chemistry B, 2010, 114, 12708-12719.   | 1.2 | 21        |
| 130 | TD-DFT Investigation of the Magnetic Circular Dichroism Spectra of Some Purine and Pyrimidine Bases of Nucleic Acids. Journal of Physical Chemistry A, 2015, 119, 5476-5489.   | 1.1 | 21        |
| 131 | Specific Recognition of G-Quadruplexes Over Duplex-DNA by a Macromolecular NIR Two-Photon<br>Fluorescent Probe. Journal of Physical Chemistry Letters, 2017, 8, 5915-5920.   | 2.1 | 21        |
| 132 | Radicals generated in alternating guanine–cytosine duplexes by direct absorption of low-energy UV<br>radiation. Physical Chemistry Chemical Physics, 2018, 20, 21381-21389.  | 1.3 | 21        |
| 133 | Radicals Generated in Tetramolecular Guanine Quadruplexes by Photoionization: Spectral and Dynamical Features. Journal of Physical Chemistry B, 2019, 123, 4950-4957.  | 1.2 | 21        |
| 134 | Studying the excited electronic states of guanine rich DNA quadruples by quantum mechanical<br>methods: main achievements and perspectives. Photochemical and Photobiological Sciences, 2020, 19,<br>436-444.                      | 1.6 | 21        |
| 135 | On the trade-off between processability and opto-electronic properties of single wall carbon nanotube derivatives in thin film heterojunctions. Journal of Materials Chemistry C, 2015, 3, 303-312.                                | 2.7 | 20        |
| 136 | Photoactivated proton coupled electron transfer in DNA: insights from quantum mechanical calculations. Faraday Discussions, 2018, 207, 199-216.  | 1.6 | 20        |
| 137 | Multistate coupled quantum dynamics of photoexcited cytosine in gas-phase: Nonadiabatic absorption spectrum and ultrafast internal conversions. Chemical Physics, 2018, 515, 452-463.  | 0.9 | 19        |
| 138 | Excitonic Model for Strongly Coupled Multichromophoric Systems: The Electronic Circular<br>Dichroism Spectra of Guanine Quadruplexes as Test Cases. Journal of Chemical Theory and<br>Computation, 2021, 17, 405-415.              | 2.3 | 19        |
| 139 | Nucleic Acids as a Playground for the Computational Study of the Photophysics and Photochemistry of Multichromophore Assemblies. Accounts of Chemical Research, 2022, 55, 2077-2087.   | 7.6 | 19        |
| 140 | Benzophenone Photophore Flexibility and Proximity: Molecular and Crystal-State Structure of a<br>Bpa-Containing Trichogin Dodecapeptide Analogue. ChemBioChem, 2004, 5, 541-544.   | 1.3 | 18        |
| 141 | Effect of amino substitution on the excited state dynamics of uracil. Photochemical and Photobiological Sciences, 2008, 7, 765-768.  | 1.6 | 18        |
| 142 | Three-dimensional diabatic models for the ππ*Â→ nÏ€* excited-state decay of uracil derivatives in solution.<br>Theoretical Chemistry Accounts, 2009, 123, 273-286.   | 0.5 | 18        |
| 143 | Potassium Ions Enhance Guanine Radical Generation upon Absorption of Low-Energy Photons by<br>G-Quadruplexes and Modify Their Reactivity. Journal of Physical Chemistry Letters, 2020, 11, 1305-1309.                              | 2.1 | 18        |
| 144 | Adenine Radical Cation Formation by a Ligand-Centered Excited State of an Intercalated Chromium<br>Polypyridyl Complex Leads to Enhanced DNA Photo-oxidation. Journal of the American Chemical<br>Society, 2021, 143, 14766-14779. | 6.6 | 18        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Nucleophilic Cyclopropane Ring Opening in Duocarmycin SA Derivatives by Methanol under Acid<br>Conditions:Â A Quantum Mechanical Study in the Gas-Phase and in Solution. Journal of Organic<br>Chemistry, 2004, 69, 2816-2824.                                     | 1.7 | 17        |
| 146 | A polarizable continuum approach for the study of heterogeneous dielectric environments. Journal of Chemical Physics, 2006, 124, 184103.   | 1.2 | 17        |
| 147 | Ultrafast Excited-State Deactivation of 8-Hydroxy-2′-deoxyguanosine Studied by Femtosecond<br>Fluorescence Spectroscopy and Quantum-Chemical Calculations. Journal of Physical Chemistry A,<br>2015, 119, 6131-6139.   | 1.1 | 17        |
| 148 | Highâ€Energy Longâ€Lived Mixed Frenkel–Chargeâ€Transfer Excitons: From Double Stranded<br>(AT) <sub><i>n</i></sub> to Natural DNA. Chemistry - A European Journal, 2016, 22, 4904-4914.  | 1.7 | 17        |
| 149 | Topology Controls the Electronic Absorption and Delocalization of Electron Holes in Guanine<br>Quadruplexes. Chemistry - A European Journal, 2018, 24, 15185-15189.  | 1.7 | 17        |
| 150 | Short- and Long-Range Solvation Effects on the Transient UV–Vis Absorption Spectra of a<br>Ru(II)–Polypyridine Complex Disentangled by Nonequilibrium Molecular Dynamics. Journal of Physical<br>Chemistry Letters, 2019, 10, 2885-2891.                           | 2.1 | 17        |
| 151 | Accounting for Vibronic Features through a Mixed Quantum-Classical Scheme: Structure, Dynamics, and Absorption Spectra of a Perylene Diimide Dye in Solution. Journal of Chemical Theory and Computation, 2020, 16, 7061-7077.                                     | 2.3 | 17        |
| 152 | Fragment Diabatization Linear Vibronic Coupling Model for Quantum Dynamics of<br>Multichromophoric Systems: Population of the Charge-Transfer State in the Photoexcited<br>Guanine–Cytosine Pair. Journal of Chemical Theory and Computation, 2021, 17, 4660-4674. | 2.3 | 17        |
| 153 | The interplay between neutral exciton and charge transfer states in single-strand polyadenine: a quantum dynamical investigation. Photochemical and Photobiological Sciences, 2013, 12, 1527.  | 1.6 | 16        |
| 154 | Predicting light absorption properties of anthocyanidins in solution: a multi-level computational approach. Theoretical Chemistry Accounts, 2016, 135, 1.  | 0.5 | 16        |
| 155 | A Parameter-Free Quantum-Mechanical Approach for Calculating Electron-Transfer Rates for Large Systems in Solution. ChemPhysChem, 2006, 7, 1211-1214.  | 1.0 | 15        |
| 156 | A State-Specific PCM–DFT method to include dynamic solvent effects in the calculation of ionization energies: Application to DNA bases. Chemical Physics Letters, 2015, 634, 20-24.  | 1.2 | 15        |
| 157 | Optical absorption and magnetic circular dichroism spectra of thiouracils: a quantum mechanical study in solution. Photochemical and Photobiological Sciences, 2017, 16, 1415-1423.  | 1.6 | 15        |
| 158 | Excited-State Absorption of Uracil in the Gas Phase: Mapping the Main Decay Paths by Different<br>Electronic Structure Methods. Journal of Chemical Theory and Computation, 2021, 17, 1638-1652.   | 2.3 | 15        |
| 159 | The Influence of Back-Biting Interaction on the Polymerization of Conjugated Dienes in the Presence of Zieglerâ°'Natta Catalysts. Macromolecules, 1999, 32, 6852-6855.   | 2.2 | 14        |
| 160 | Solventâ€Ðependent Stabilization of a Charge Transfer State is the Key to Ultrafast Triplet State<br>Formation in an Epigenetic DNA Nucleoside. Chemistry - A European Journal, 2021, 27, 10932-10940.   | 1.7 | 14        |
| 161 | Timeâ€dependent and timeâ€independent approaches for the computation of absorption spectra of Uracil derivatives in solution. International Journal of Quantum Chemistry, 2010, 110, 624-636.  | 1.0 | 13        |
| 162 | Deciphering the pH-dependence of ground- and excited-state equilibria of thienoguanine. Physical<br>Chemistry Chemical Physics, 2020, 22, 7381-7391.   | 1.3 | 13        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | UVâ€Lightâ€Induced Hydrogen Transfer in Guanosine–Guanosine Aggregates. Chemistry - A European<br>Journal, 2013, 19, 5425-5431.  | 1.7 | 12        |
| 164 | Sequence dependence on DNA photochemistry: a computational study of photodimerization pathways in TpdC and dCpT dinucleotides. Photochemical and Photobiological Sciences, 2018, 17, 586-591.  | 1.6 | 12        |
| 165 | How the Interplay among Conformational Disorder, Solvation, Local, and Charge-Transfer Excitations<br>Affects the Absorption Spectrum and Photoinduced Dynamics of Perylene Diimide Dimers: A Molecular<br>Dynamics/Quantum Vibronic Approach. Journal of Chemical Theory and Computation, 2022, 18,<br>3718-3736. | 2.3 | 12        |
| 166 | The determinants of bond angle variability in protein/peptide backbones: A comprehensive<br>statistical/quantum mechanics analysis. Proteins: Structure, Function and Bioinformatics, 2015, 83,<br>1973-1986.  | 1.5 | 11        |
| 167 | Bond distances in polypeptide backbones depend on the local conformation. Acta Crystallographica<br>Section D: Biological Crystallography, 2015, 71, 1272-1283.  | 2.5 | 11        |
| 168 | Tautomers of a Fluorescent G Surrogate and Their Distinct Photophysics Provide Additional<br>Information Channels. Angewandte Chemie, 2016, 128, 8106-8110.  | 1.6 | 11        |
| 169 | Comparison of the results of a mean-field mixed quantum/classical method with full quantum predictions for nonadiabatic dynamics: application to the \$\$pi pi ^*/npi ^*\$\$ Ï€ Ï€ â^— / n Ï€ â^— decay of thymine. Theoretical Chemistry Accounts, 2018, 137, 1.  | 0.5 | 11        |
| 170 | Excited tate Dynamics of Thienoguanosine, an Isomorphic Highly Fluorescent Analogue of Guanosine.<br>Chemistry - A European Journal, 2019, 25, 7375-7386.  | 1.7 | 11        |
| 171 | Quantum dynamics of the ï€ï€*/nï€* decay of the epigenetic nucleobase 1,5-dimethyl-cytosine in the gas<br>phase. Physical Chemistry Chemical Physics, 2020, 22, 26525-26535.   | 1.3 | 11        |
| 172 | Proton Assisted Electron Transfer. Advances in Quantum Chemistry, 2000, 36, 301-322.   | 0.4 | 10        |
| 173 | Excited state properties of sizable molecules in solution: from structure to reactivity. Theoretical Chemistry Accounts, 2007, 117, 1073-1084.   | 0.5 | 10        |
| 174 | Perturbative Multireference Configuration Interaction (CI-MRPT2) Calculations in a Focused<br>Dynamical Approach: A Computational Study of Solvatochromism in Pyrimidine. Journal of Physical<br>Chemistry A, 2015, 119, 5250-5259.  | 1.1 | 10        |
| 175 | BALOO: A Fast and Versatile Code for Accurate Multireference Variational/Perturbative Calculations.<br>Journal of Chemical Theory and Computation, 2015, 11, 2024-2035.  | 2.3 | 10        |
| 176 | Novel adenine/thymine photodimerization channels mapped by PCM/TD-DFT calculations on dApT and TpdA dinucleotides. Photochemical and Photobiological Sciences, 2017, 16, 1277-1283.  | 1.6 | 10        |
| 177 | Toward a general mixed quantum/classical method for the calculation of the vibronic ECD of a flexible dye molecule with different stable conformers: Revisiting the case of 2,2,2â€trifluoroâ€anthrylethanol. Chirality, 2018, 30, 730-743.  | 1.3 | 10        |
| 178 | Dissociative Electron Transfer in Donorâ^'Peptideâ^'Acceptor Systems:Â Results for Kinetic Parameters<br>from a Density Functional/Polarizable Continuum Model. Journal of Physical Chemistry B, 2006, 110,<br>12632-12639.  | 1.2 | 9         |
| 179 | The Absorption Spectrum of Guanine Based Radicals: a Comparative Computational Analysis.<br>ChemPhotoChem, 2019, 3, 846-855.   | 1.5 | 9         |
| 180 | A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. Physical Chemistry Chemical Physics, 2019, 21, 26301-26310.   | 1.3 | 9         |

| #   | Article   | IF    | CITATIONS |
|-----|---|-------|-----------|
| 181 | An Integrated Structural and Computational Study of the Thermostability of Two Thioredoxin<br>Mutants from Alicyclobacillus acidocaldarius. Journal of Bacteriology, 2003, 185, 4285-4289.  | 1.0   | 8         |
| 182 | Femtosecond fluorescence studies of DNA/RNA constituents. Journal of Physics: Conference Series, 2011, 261, 012009.   | 0.3   | 8         |
| 183 | Intramolecular vibrational redistribution in the non-radiative excited state decay of uracil in the gas phase: an ab initio molecular dynamics study. Physical Chemistry Chemical Physics, 2015, 17, 11615-11626.   | 1.3   | 8         |
| 184 | Vibronic Model Hamiltonian for the Study of the Near-IRâ~'Visible Optical Properties of<br>[(NH3)5Ruâ~'(4,4â€~-bipyridine)â~'Ru(NH3)5]m+ (m = 4, 5):  Charge Localization and Electroabsorption Spe<br>Journal of Physical Chemistry A, 2000, 104, 9591-9599. | ctra1 | 7         |
| 185 | UV-vis spectra of p-benzoquinone anion radical in solution by a TD-DFT/PCM approach. Theoretical Chemistry Accounts, 2007, 118, 143-148.  | 0.5   | 7         |
| 186 | The effect of methylation on the excited state dynamics of aminouracils. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 37-43.   | 2.0   | 7         |
| 187 | Electronic spectroscopy of a solvatochromic dye in water: comparison of static cluster/implicit and dynamical/explicit solvent models on structures and energies. Theoretical Chemistry Accounts, 2016, 135, 1.   | 0.5   | 7         |
| 188 | The Structural Duality of Nucleobases in Guanine Quadruplexes Controls Their Low-Energy<br>Photoionization. Journal of Physical Chemistry Letters, 2021, 12, 8309-8313.   | 2.1   | 7         |
| 189 | Excited state absorption of DNA bases in the gas phase and in chloroform solution: a comparative quantum mechanical study. Physical Chemistry Chemical Physics, 2022, 24, 4987-5000.  | 1.3   | 7         |
| 190 | The mechanism of Ziegler-Natta polymerization of 4-methyl-1,3-pentadiene: a theoretical study of the coordination step. Computational and Theoretical Chemistry, 1998, 426, 249-255.  | 1.5   | 6         |
| 191 | Excited State Dynamics of 8-Vinyldeoxyguanosine in Aqueous Solution Studied by Time-Resolved Fluorescence Spectroscopy and Quantum Mechanical Calculations. Molecules, 2020, 25, 824.   | 1.7   | 6         |
| 192 | On the geometry of 3-amino-sydnones. Computational and Theoretical Chemistry, 1998, 433, 291-299.   | 1.5   | 5         |
| 193 | A Plausible Mechanism of Electron Transfer between Quinones in Photosynthetic Reaction Centers.<br>Journal of Theoretical Biology, 2000, 207, 101-105.  | 0.8   | 5         |
| 194 | Effects of molecular dynamics and solvation on the electronic structure of molecular probes.<br>Theoretical Chemistry Accounts, 2012, 131, 1.   | 0.5   | 5         |
| 195 | The absorption and emission spectra in solution of oligothiophene-based push–pull biomarkers: a<br>PCM/TD-DFT vibronic study. Theoretical Chemistry Accounts, 2016, 135, 1.   | 0.5   | 5         |
| 196 | Photocrosslinking between nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 283-306.  | 1.6   | 5         |
| 197 | The Ultrafast Quantum Dynamics of Photoexcited Adenine–Thymine Basepair Investigated with a<br>Fragment-based Diabatization and a Linear Vibronic Coupling Model. Journal of Physical Chemistry A,<br>2021, 125, 8912-8924.                                   | 1.1   | 5         |
| 198 | Thienoguanosine, a unique non-perturbing reporter for investigating rotational dynamics of DNA duplexes and their complexes with proteins. International Journal of Biological Macromolecules, 2022, 213, 210-225.  | 3.6   | 5         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | PM3 study of the electronic spectra of some substituted aminocoumarins. Computational and Theoretical Chemistry, 1998, 426, 145-153.   | 1.5 | 4         |
| 200 | Aluminium alkoxide sulphate catalyst: a computational study. Journal of Molecular Catalysis A, 1999, 137, 169-182.   | 4.8 | 4         |
| 201 | Vibronic approach to the calculation of the decay rate of the photoexcited charge-transfer state of<br>Guanine–Cytosine stacked dimer in water solution. Theoretical Chemistry Accounts, 2016, 135, 1.   | 0.5 | 4         |
| 202 | Solvent effect on the energetics of proton coupled electron transfer in guanine-cytosine pair in chloroform by mixed explicit and implicit solvation models. Chemical Physics, 2018, 515, 493-501.   | 0.9 | 4         |
| 203 | The Excited State Dynamics of a Mutagenic Cytidine Etheno Adduct Investigated by Combining<br>Time-Resolved Spectroscopy and Quantum Mechanical Calculations. Journal of Physical Chemistry<br>Letters, 2022, 13, 251-257.   | 2.1 | 4         |
| 204 | The optical properties of adenine cation in different oligonucleotides: a PCM/TD-DFT study.<br>Theoretical Chemistry Accounts, 2018, 137, 1.   | 0.5 | 3         |
| 205 | Electronic Circular Dichroism Spectra of DNA Quadruple Helices Studied by Molecular Dynamics<br>Simulations and Excitonic Calculations including Charge Transfer States. Molecules, 2021, 26, 4789.  | 1.7 | 3         |
| 206 | Vibrations of the guanine–cytosine pair in chloroform: an anharmonic computational study. Physical<br>Chemistry Chemical Physics, 2020, 22, 5509-5522.   | 1.3 | 3         |
| 207 | Thienoguanosine brightness in DNA duplexes is governed by the localization of its ππ* excitation in the lowest energy absorption band. Methods and Applications in Fluorescence, 2022, 10, 035003.   | 1.1 | 3         |
| 208 | Towards the Understanding of the Excited State Dynamics of Nucleic Acids: Solvent and Stacking<br>Effect on the Photophysical Behavior of Nucleobases. AIP Conference Proceedings, 2007, , .   | 0.3 | 2         |
| 209 | Early steps of oxidative damage in DNA quadruplexes are position-dependent: Quantum mechanical and<br>molecular dynamics analysis of human telomeric sequence containing ionized guanine. International<br>Journal of Biological Macromolecules, 2022, 194, 882-894. | 3.6 | 2         |
| 210 | Absorption and electroabsorption spectra of [(NH3)5Ru–pyrazine]2+ and [(NH3)5Ru–pyrazine–H]3+ by a vibronic model Hamiltonian. Physical Chemistry Chemical Physics, 2001, 3, 2576-2580.  | 1.3 | 1         |
| 211 | Quantum Dynamics of Ultrafast Photoinduced Processes in Biological Molecules. AIP Conference<br>Proceedings, 2007, , .   | 0.3 | 1         |
| 212 | Interplay of Electronic, Environmental, and Vibrational Effects in Determining the Hyperfine Coupling<br>Constants of Organic Free Radicals. ChemInform, 2004, 35, no.   | 0.1 | 0         |
| 213 | Light induced damage and repair in nucleic acids and proteins: general discussion. Faraday<br>Discussions, 2018, 207, 389-408.   | 1.6 | 0         |
| 214 | Bionanophotonics: general discussion. Faraday Discussions, 2018, 207, 491-512.   | 1.6 | 0         |
| 215 | A combined femtosecond fluorescence and TD-DFT study of uracil derivatives in aqueous solution. , 2006, , 254-257.   |     | 0         |
| 216 | Effects of molecular dynamics and solvation on the electronic structure of molecular probes.<br>Highlights in Theoretical Chemistry, 2013, , 339-350.  | 0.0 | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 217 | Integrated computational approaches for spectroscopic studies of molecular systems in the gas phase and in solution: pyrimidine as a test case. Highlights in Theoretical Chemistry, 2013, , 319-337. | 0.0 | 0         |